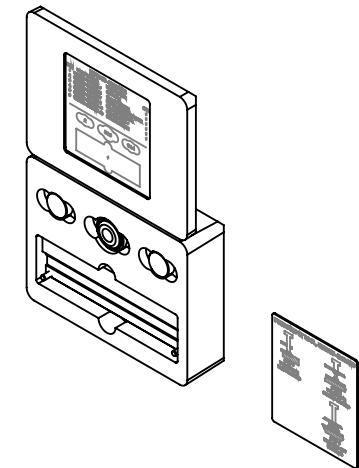
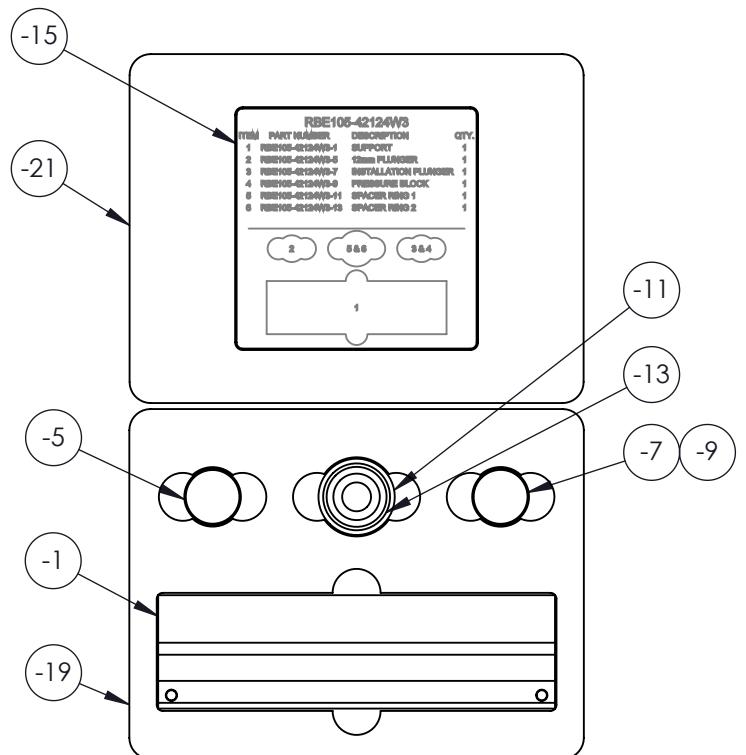


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

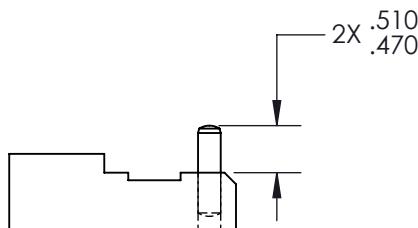
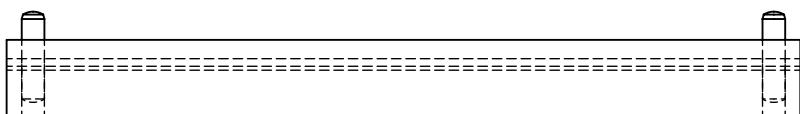
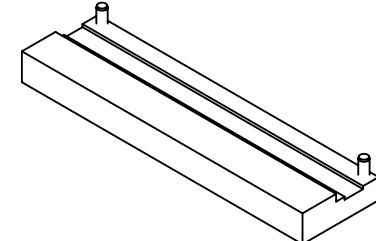
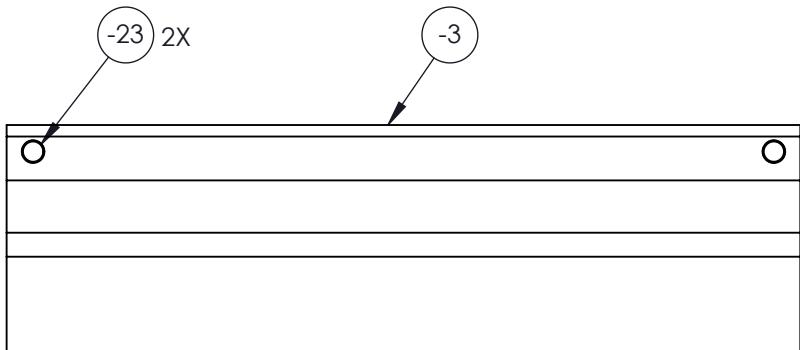
REV			ECR			DESCRIPTION			REVISIONS			
1										DATE	INITIAL	APPROVED
1						RELEASED FOR PRODUCTION.				7/17/2017	RJC	JAG



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	NOTE: REFERENCE AIRBUS 105-42124W3.		
	X		-1	1	SUPPORT			2	DART AEROSPACE		
1		-3		1	PLATE	4140/4142					
		-5	1	12mm PLUNGER		4140/4142		4			
		-7	1	INSTALLATION PLUNGER		4140/4142		5			
		-9	1	PRESSURE BLOCK		4140/4142		6			
		-11	1	SPACER RING 1		4140/4142		7			
		-13	1	SPACER RING 2		4140/4142		8			
		-15	1	LOCATION PLACARD	PLASTIC			9			
		-17	1	INSTRUCTION CARD	LAMINATED PAPER			10			
	B/O	-19	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	2.90 X 7.29 X 9.47	(CASE SOLUTIONS)	11			
	B/O	-21	1	TOP FOAM	ETHAFOAM 220, BLACK	1.16 X 7.27 X 9.46	(CASE SOLUTIONS)	12	DRAWN BY:	RJC 06/27/2017	
2	B/O	-23		DOWEL PIN	STEEL	M6 X 24mm	(MCMASTER-CARR #91595A458)		CHECKED:	DD 06/27/2017	
	B/O	-25	1	CASE	PLASTIC	PELICAN #APP-1200-E		N/S	OPPS APPR:	AA 07/10/2017	USED ON MODEL
	B/O		1	DART PLACARD	ALUMINUM	RB41011		N/S	QA APPR:	JL 07/10/2017	
ASSY -1									APPROVED:	JAG 07/19/2017	EC145, EC645, BO105, BK117
									SCALE	1:4	DATE 6/27/2017 SHEET 1 OF 12

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



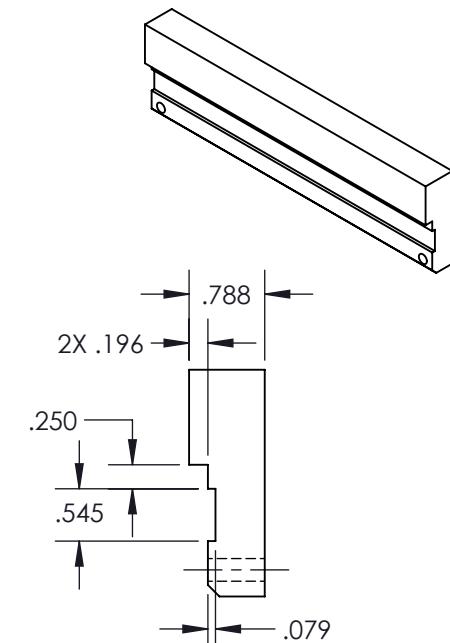
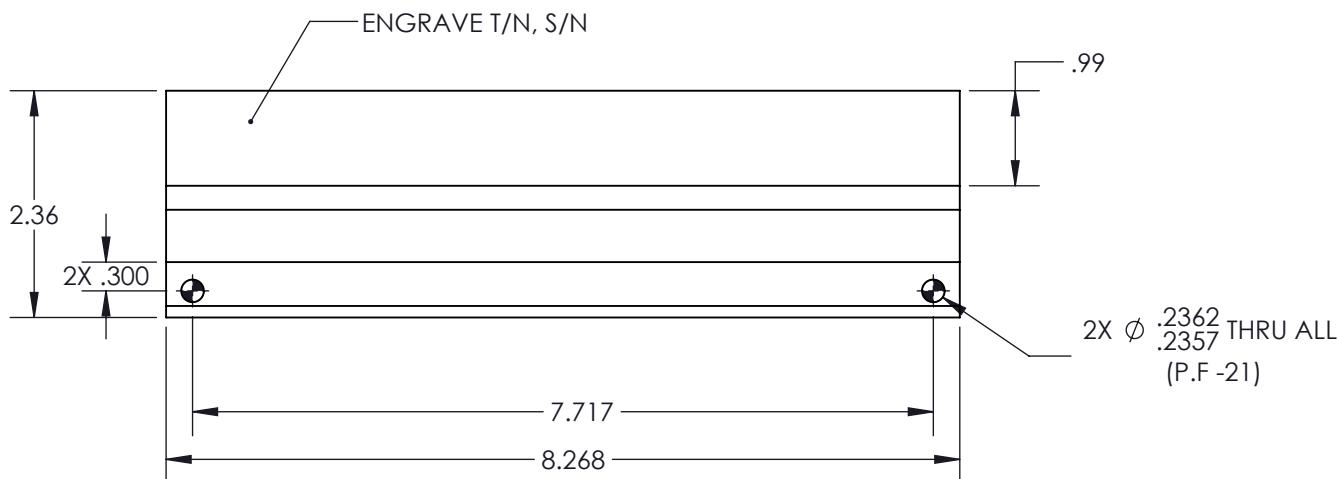
(-1)

SUPPORT

DART AEROSPACE	
TITLE	
PRESSING TOOL	
DWG NO.	RBE105-42124W3-1
REV	1
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	RJC 06/27/2017
CHECKED:	DD 06/27/2017
OPPS APPR:	AA 07/10/2017
QA APPR:	JL 07/10/2017
APPROVED:	JAG 07/19/2017
EC145, EC645, BO105, BK117	USED ON MODEL
SCALE 1:2	DATE 6/27/2017
SHEET 2 OF 12	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS			DESCRIPTION		DATE		INITIAL		APPROVED	
-----	--	-----	--	-----------	--	--	-------------	--	------	--	---------	--	----------	--



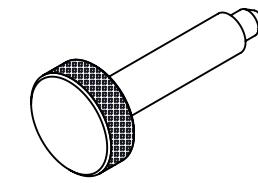
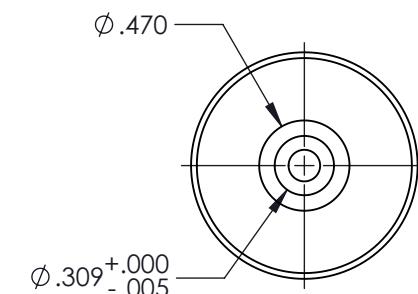
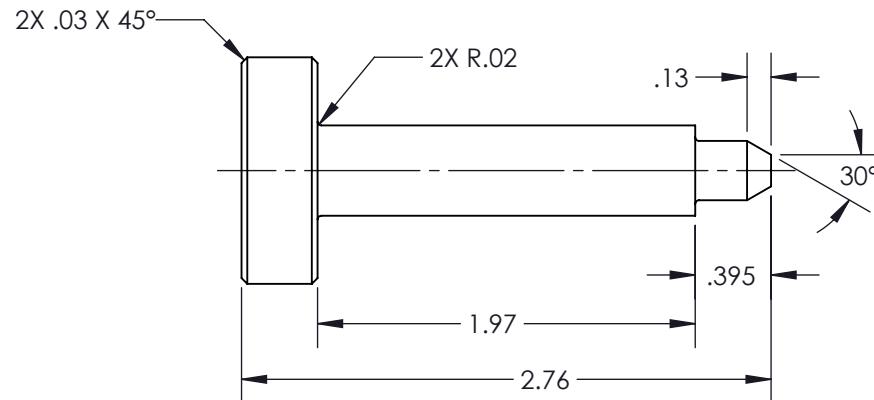
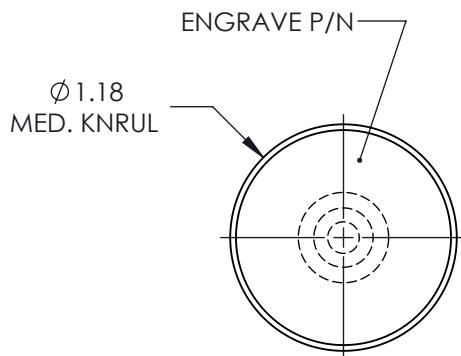
(-3)

PLATE

DART AEROSPACE	
TITLE	
PRESSING IN TOOL	
DWG NO.	RBE105-42124W3-3
REV	1
MATERIAL 4140/4142	
HEAT TREAT RC 28-34	
FINISH ZINC PLATE	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY:	RJC 06/27/2017
CHECKED:	DD 06/27/2017
OPPS APPR:	AA 07/10/2017
QA APPR:	JL 07/10/2017
APPROVED:	JAG 07/19/2017
SCALE	1:2
DATE	6/27/2017
USED ON MODEL	
ASME Y14.5M-2009	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
X ± .1 SURFACES = 125 ✓	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------

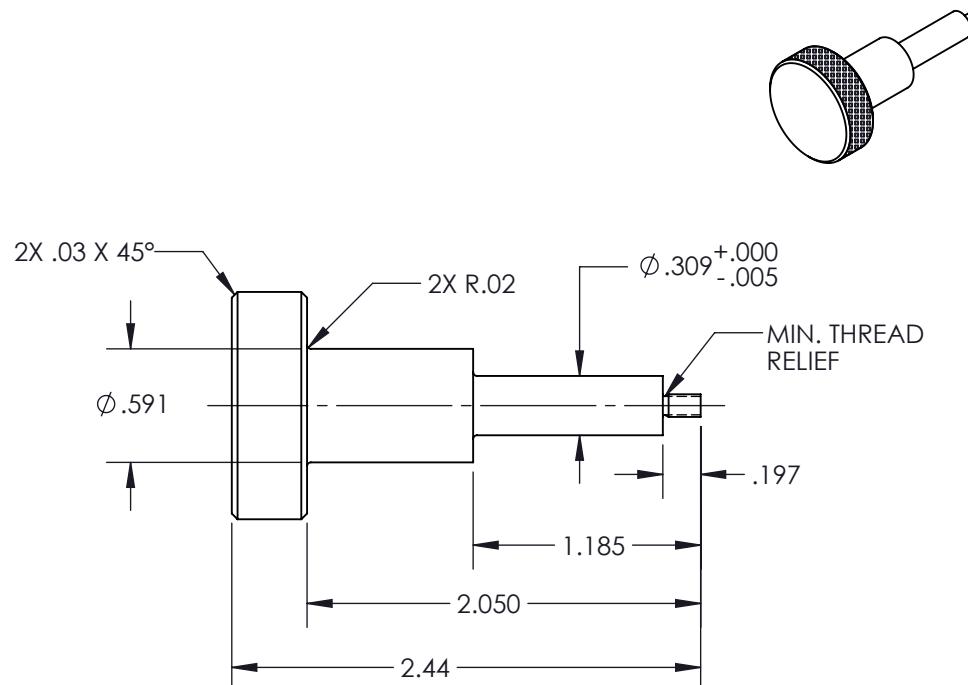
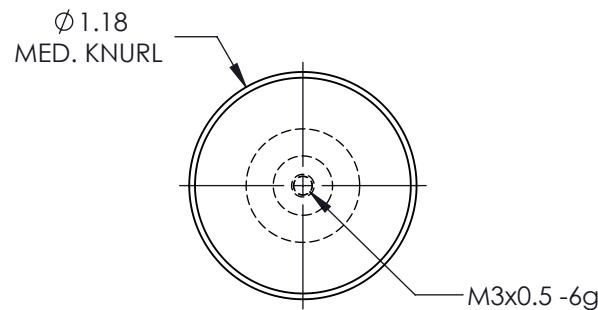


(-5)
12mm PLUNGER

DART AEROSPACE	
TITLE	
PRESSING IN TOOL	
DWG NO.	
RBE105-42124W3-5	
REV	1
MAT'L 4140/4142	
HEAT RC 28-34	
TREAT	
FINISH ZINC PLATE	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY: RJC 06/27/2017	
CHECKED: DD 06/27/2017	
OPPS APPR: AA 07/10/2017	
QA APPR: JL 07/10/2017	
APPROVED: JAG 07/19/2017	
SCALE	1:1
DATE	6/27/2017
USED ON MODEL	
ASME Y14.5M-2009	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
X ± .1 SURFACES = 125 ✓	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



DART
AEROSPACE

TITLE
PRESSING IN TOOL

DWG NO. **RBE105-42124W3-7**

REV
1

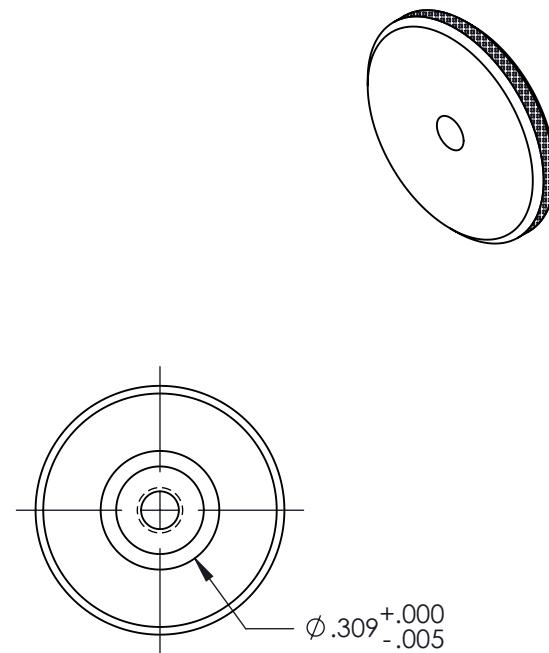
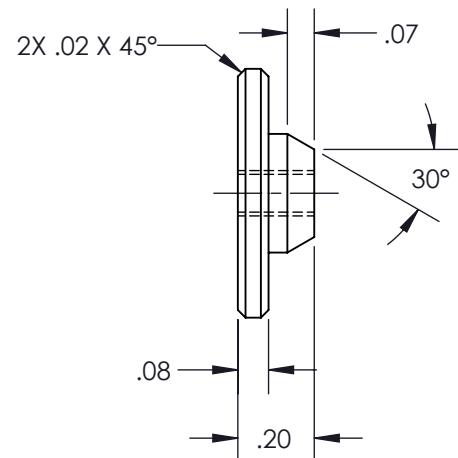
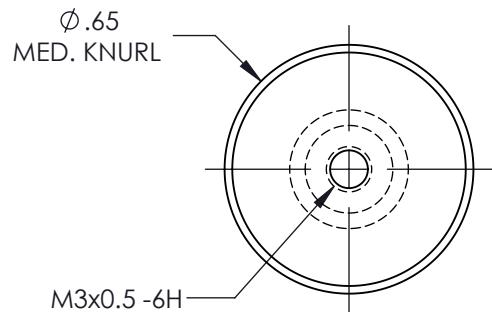
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT RC 28-34	.XXX ± .005 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .01 ANGLES ± 5°
SPEC ASTM B633 TYPE I SC 2	X ± .1 SURFACES = 125 ✓
DRAWN BY: RJC 06/27/2017	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 06/27/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 07/10/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 07/10/2017	USED ON MODEL
APPROVED: JAG 07/19/2017	EC145, EC645, BO105, BK117
SCALE 1:1	DATE 6/27/2017
	SHEET 5 OF 12

(-7)

INSTALLATION PLUNGER

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	

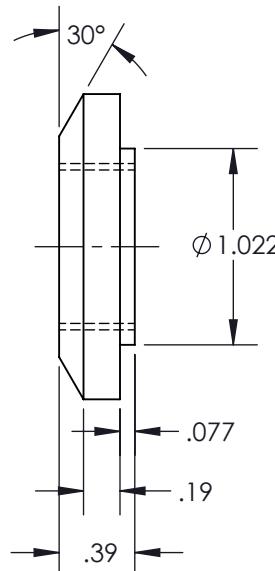
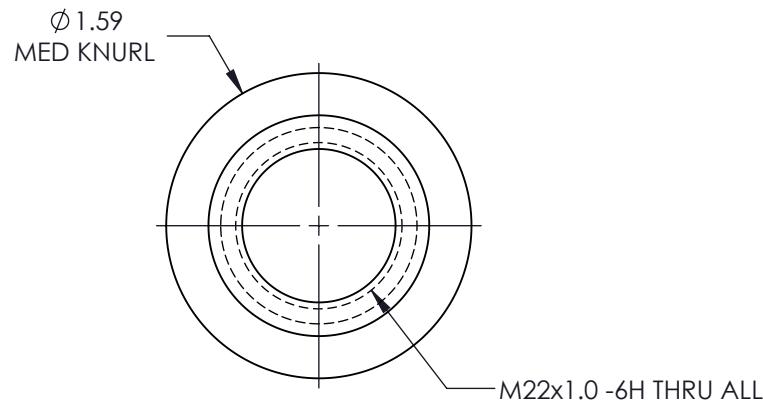
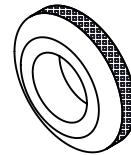


(-9)
PRESSURE BLOCK

DART AEROSPACE	
TITLE	
PRESSING IN TOOL	
DWG NO.	
RBE105-42124W3-9	
REV 1	
MAT'L 4140/4142	
HEAT RC 28-34	
TREAT	
FINISH ZINC PLATE	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY: RJC 06/27/2017	
CHECKED: DD 06/27/2017	
OPPS APPR: AA 07/10/2017	
QA APPR: JL 07/10/2017	
APPROVED: JAG 07/19/2017	
EC145, EC645, BO105, BK117	
SCALE 2:1	DATE 6/27/2017
SHEET 6 OF 12	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



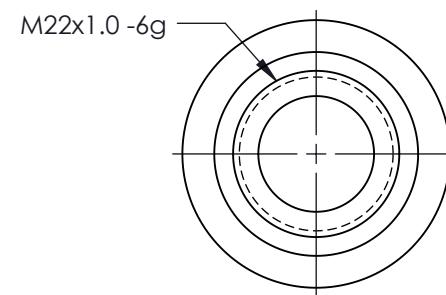
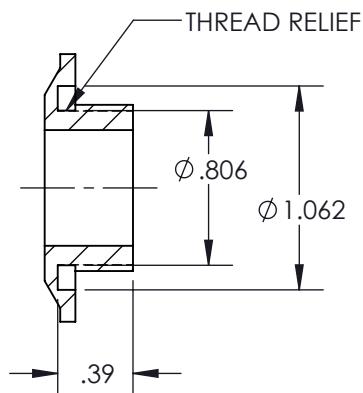
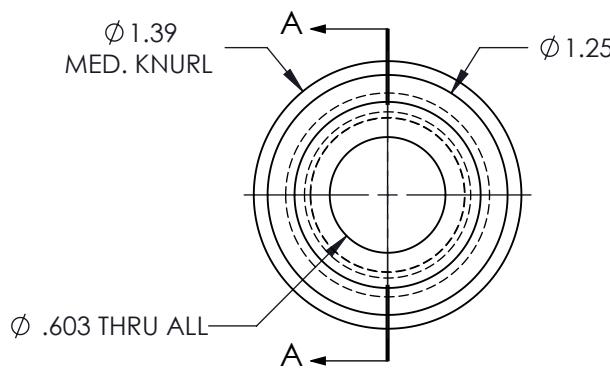
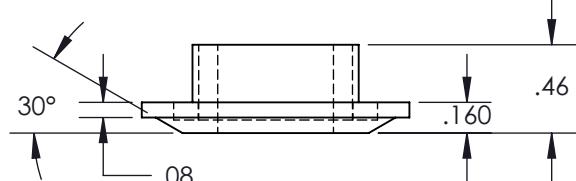
(-11)

SPACER RING 1

DART AEROSPACE	
TITLE	
PRESSING IN TOOL	
DWG NO.	RBE105-42124W3-11
REV	1
MAT'L 4140/4142	
HEAT RC 28-34	
TREAT	
FINISH ZINC PLATE	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY:	RJC 06/27/2017
CHECKED:	DD 06/27/2017
OPPS APPR:	AA 07/10/2017
QA APPR:	JL 07/10/2017
APPROVED:	JAG 07/19/2017
SCALE	1:1
DATE	6/27/2017
SHEET	7 OF 12
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



SECTION A-A

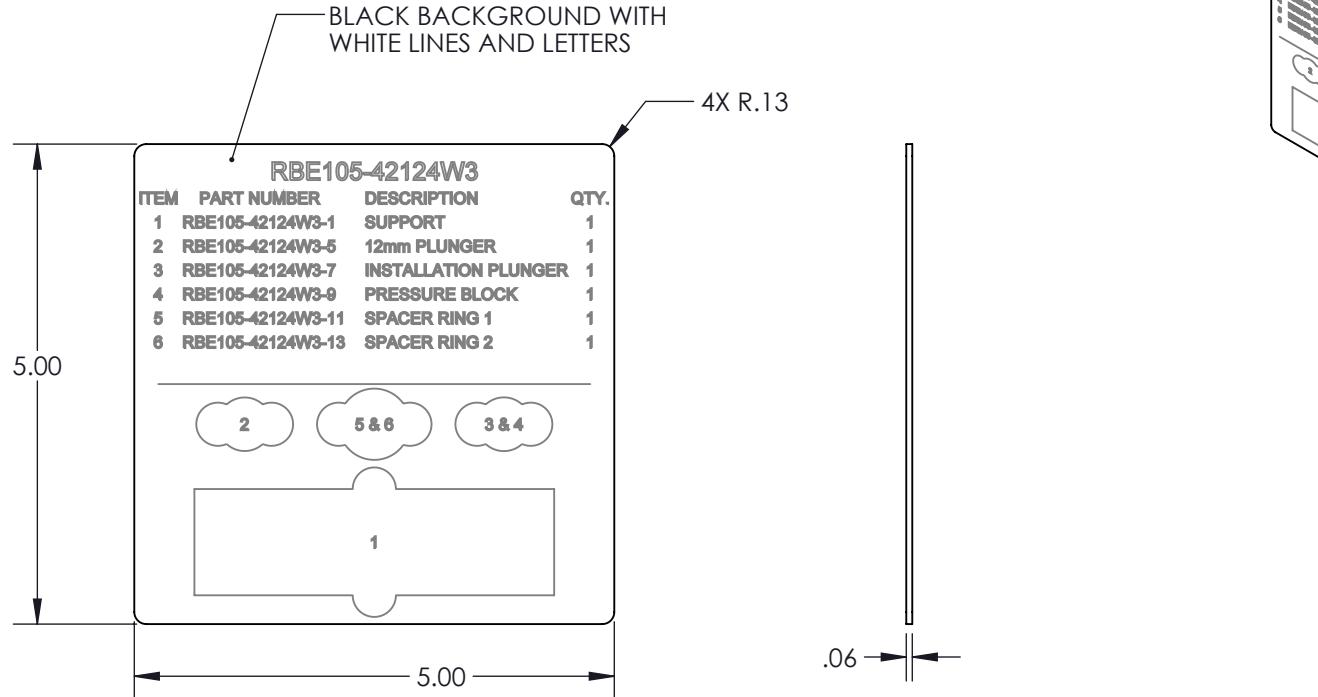
(-13)

SPACER RING 2

DART AEROSPACE	
TITLE	
PRESSING IN TOOL	
DWG NO.	
RBE105-42124W3-13	
REV	1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: RJC 06/27/2017	
CHECKED: DD 06/27/2017	
OPPS APPR: AA 07/10/2017	
QA APPR: JL 07/10/2017	
APPROVED: JAG 07/19/2017	
SCALE	1:1
DATE	6/27/2017
USED ON MODEL	
EC145, EC645, BO105, BK117	
SHEET 8 OF 12	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
-----	-----	-----------	-------------	------	---------	----------



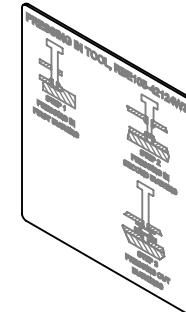
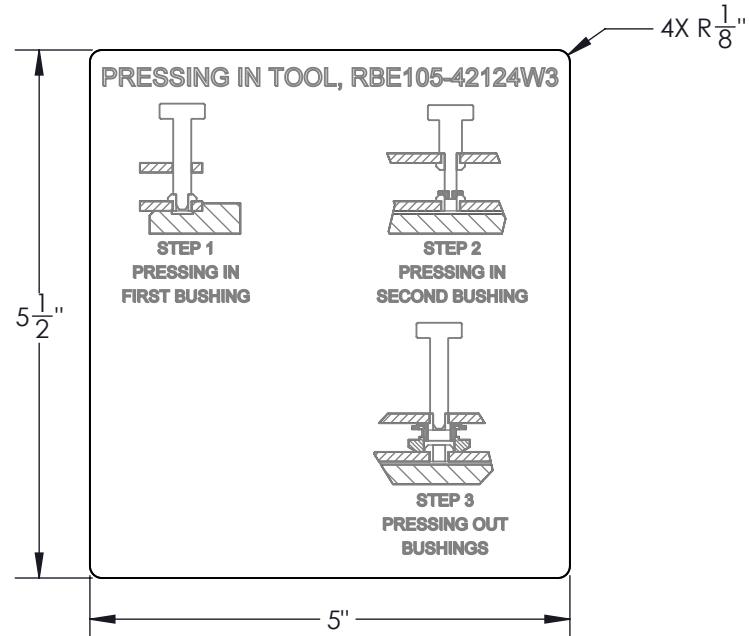
NOTES:
USE PDF.

-15
LOCATION PLACARD

TITLE	
PRESSING IN TOOL	
DWG NO.	RBE105-42124W3-15
REV	1
MATERIAL PLASTIC	
HEAT TREAT FINISH	
SPEC	
DRAWN BY:	RJC 06/27/2017
CHECKED:	DD 06/27/2017
OPPS APPR:	AA 07/10/2017
QA APPR:	JL 07/10/2017
APPROVED:	JAG 07/19/2017
SCALE	1:2
DATE	6/27/2017
USED ON MODEL	
ASME Y14.5M-2009	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



NOTE:
USE PDF.

DART
AEROSPACE

TITLE
PRESSING IN TOOL

DWG NO.
RBE105-42124W3-17

REV
1

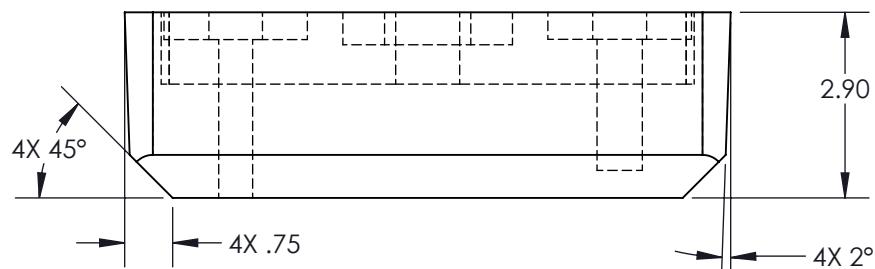
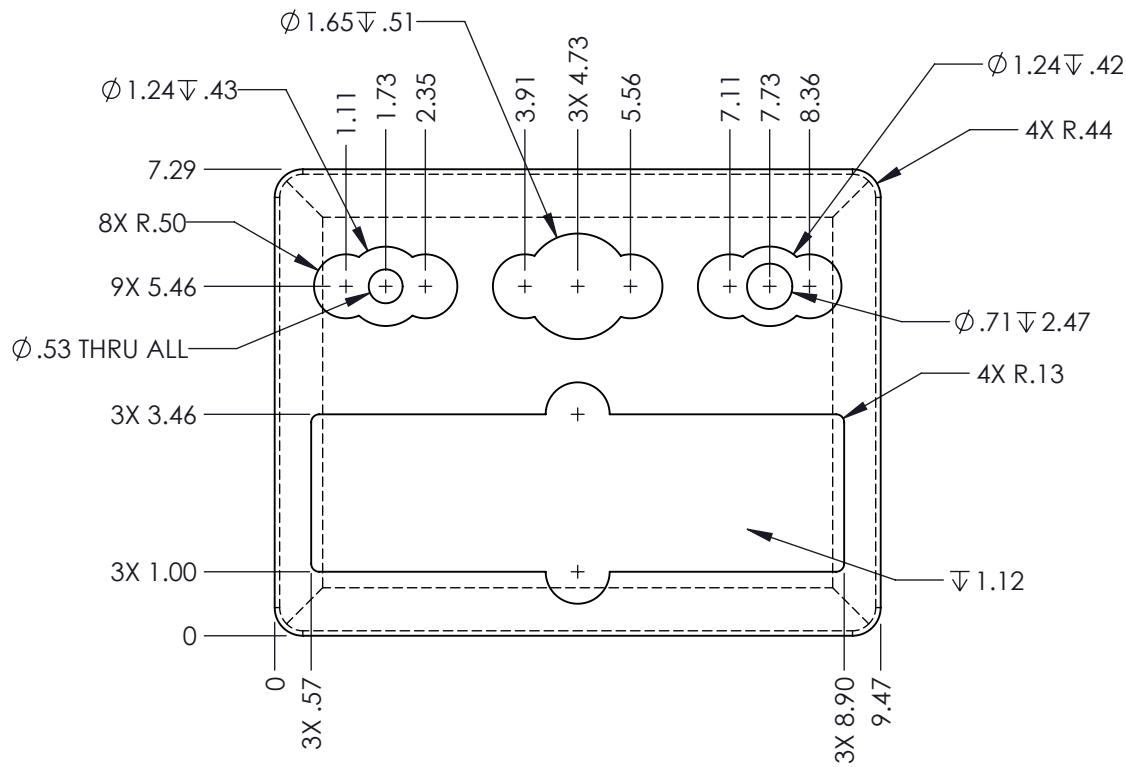
MAT'L	LAMINATED PAPER	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .005	FRACTIONS ± 1/8
TREAT	.XX ± .01	ANGLES ± 5°
FINISH	X ± .1	SURFACES = 125
SPEC		✓
DRAWN BY:	RJC 06/27/2017	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	DD 06/27/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	AA 07/10/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	JL 07/10/2017	USED ON MODEL
APPROVED:	JAG 07/19/2017	EC145, EC645, BO105, BK117
SCALE	1:2	DATE 6/30/2017
		SHEET 10 OF 12

(-17)

INSTRUCTION CARD

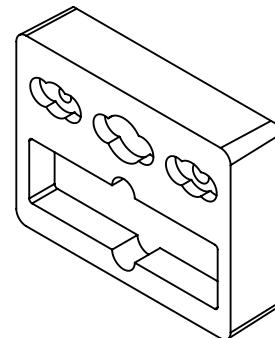
This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
-----	-----	-----------	-------------	------	---------	----------

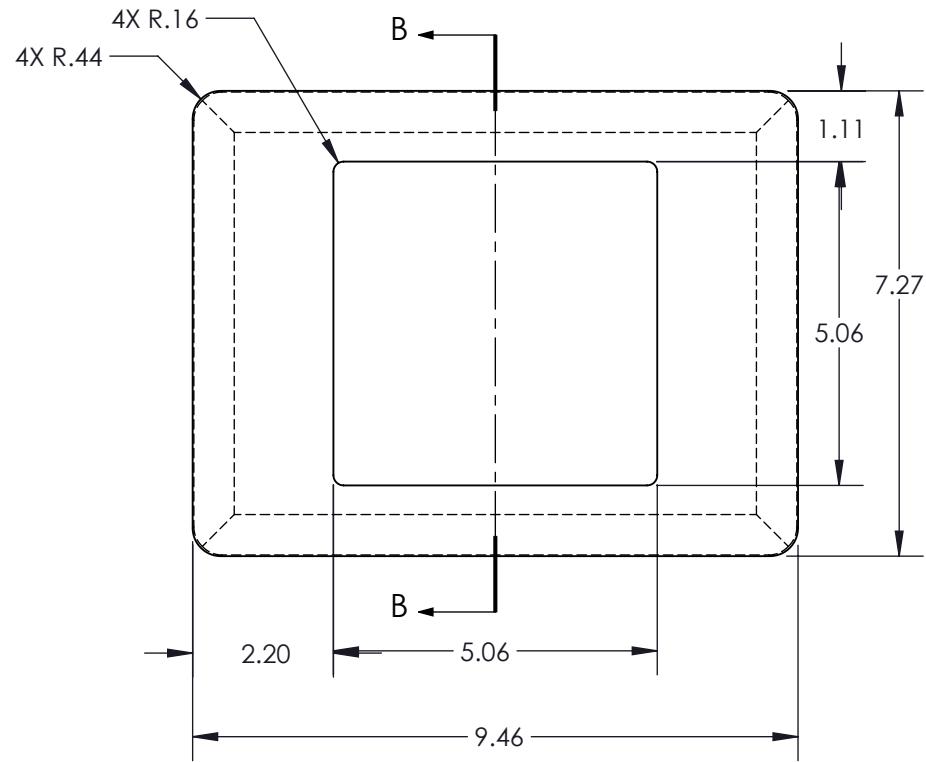


(-19)

BOTTOM FOAM

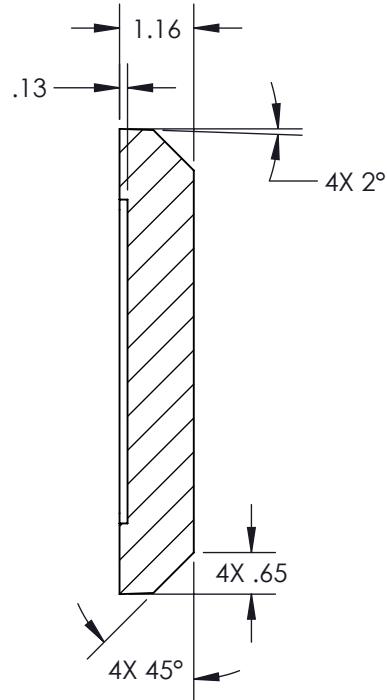


DART AEROSPACE	
TITLE	
PRESSING IN TOOL	
DWG NO. RBE105-42124W3-19	
REV 1	
MATERIAL ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
SPEC	
DRAWN BY:	RJC 06/27/2017
CHECKED:	DD 06/27/2017
OPPS APPR:	AA 07/10/2017
QA APPR:	JL 07/10/2017
APPROVED:	JAG 07/19/2017
USED ON MODEL	
EC145, EC645, BO105, BK117	
SCALE	1:3
DATE	6/27/2017
SHEET 11 OF 12	

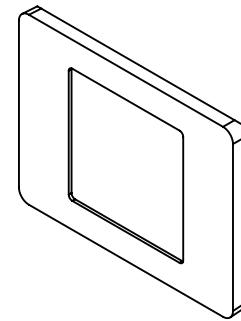


TOP FOAM

(-21)



SECTION B-B



DART AEROSPACE	
TITLE PRESSING IN TOOL	
DWG NO.	RBT105-42124W3-21
REV	1
MAT'L	ETHAFOAM 220, BLACK
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
DRAWN BY:	RJC 06/27/2017
CHECKED:	DD 06/27/2017
OPPS APPR:	AA 07/10/2017
QA APPR:	JL 07/10/2017
APPROVED:	JAG 07/19/2017
EC145, EC645, BO105, BK117	USED ON MODEL
SCALE	1:3
DATE	6/27/2017
SHEET	12 OF 12